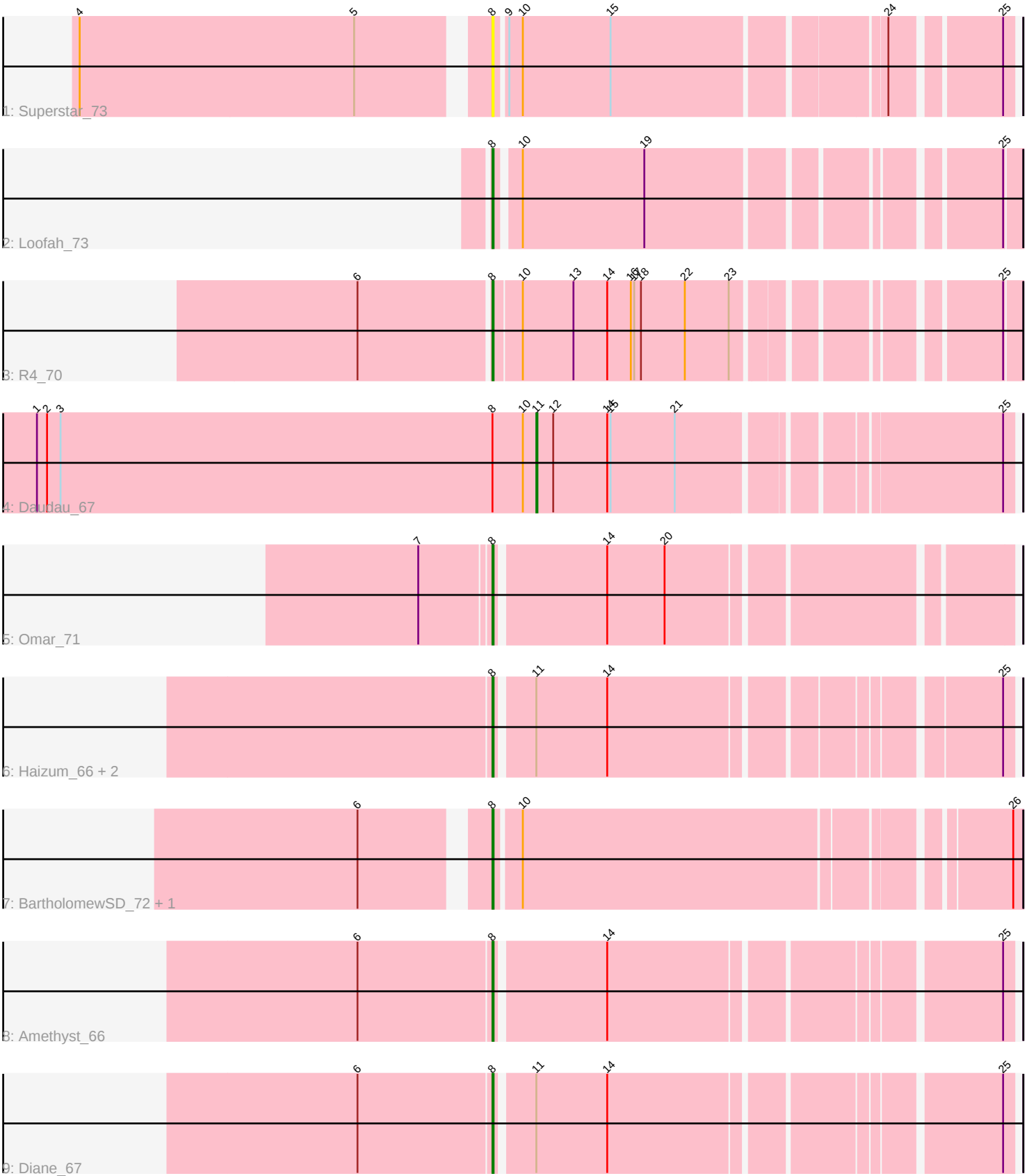


Pham 323859



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 323859 Report

This analysis was run 09/05/26 on database version 662.

Pham number 323859 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Superstar_73
- Track 2 : Loofah_73
- Track 3 : R4_70
- Track 4 : Daudau_67
- Track 5 : Omar_71
- Track 6 : Haizum_66, Tefunt_66, Nishikigoi_67
- Track 7 : BartholomewSD_72, Alvy_72
- Track 8 : Amethyst_66
- Track 9 : Diane_67

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alvy_72, Amethyst_66, BartholomewSD_72, Diane_67, Haizum_66, Loofah_73, Nishikigoi_67, Omar_71, R4_70, Superstar_73, Tefunt_66,

Genes that have the "Most Annotated" start but do not call it:

- Daudau_67,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 8:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 91.7% of time when present
- Phage (with cluster) where this start called: Alvy_72 (BD2), Amethyst_66 (BD2), BartholomewSD_72 (BD2), Diane_67 (BD2), Haizum_66 (BD2), Loofah_73 (BD2), Nishikigoi_67 (BD2), Omar_71 (BD2), R4_70 (BD2), Superstar_73 (BD2), Tefunt_66

(BD2),

Start 11:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Daudau_67 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:

- Start number 8 was manually annotated 10 times for cluster BD2.
- Start number 11 was manually annotated 1 time for cluster BD2.

Gene Information:

Gene: Alvy_72 Start: 46532, Stop: 46098, Start Num: 8

Candidate Starts for Alvy_72:

(6, 46631), (Start: 8 @46532 has 10 MA's), (10, 46511), (26, 46106),

Gene: Amethyst_66 Start: 43542, Stop: 43123, Start Num: 8

Candidate Starts for Amethyst_66:

(6, 43659), (Start: 8 @43542 has 10 MA's), (14, 43449), (25, 43131),

Gene: BartholomewSD_72 Start: 45651, Stop: 45217, Start Num: 8

Candidate Starts for BartholomewSD_72:

(6, 45750), (Start: 8 @45651 has 10 MA's), (10, 45630), (26, 45225),

Gene: Daudau_67 Start: 44035, Stop: 43643, Start Num: 11

Candidate Starts for Daudau_67:

(1, 44479), (2, 44470), (3, 44458), (Start: 8 @44074 has 10 MA's), (10, 44047), (Start: 11 @44035 has 1 MA's), (12, 44020), (14, 43972), (15, 43969), (21, 43912), (25, 43651),

Gene: Diane_67 Start: 44627, Stop: 44208, Start Num: 8

Candidate Starts for Diane_67:

(6, 44744), (Start: 8 @44627 has 10 MA's), (Start: 11 @44597 has 1 MA's), (14, 44534), (25, 44216),

Gene: Haizum_66 Start: 44350, Stop: 43937, Start Num: 8

Candidate Starts for Haizum_66:

(Start: 8 @44350 has 10 MA's), (Start: 11 @44320 has 1 MA's), (14, 44257), (25, 43945),

Gene: Loofah_73 Start: 45896, Stop: 45480, Start Num: 8

Candidate Starts for Loofah_73:

(Start: 8 @45896 has 10 MA's), (10, 45878), (19, 45770), (25, 45494),

Gene: Nishikigoi_67 Start: 44350, Stop: 43937, Start Num: 8

Candidate Starts for Nishikigoi_67:

(Start: 8 @44350 has 10 MA's), (Start: 11 @44320 has 1 MA's), (14, 44257), (25, 43945),

Gene: Omar_71 Start: 43283, Stop: 42861, Start Num: 8

Candidate Starts for Omar_71:

(7, 43343), (Start: 8 @43283 has 10 MA's), (14, 43190), (20, 43139),

Gene: R4_70 Start: 45075, Stop: 44656, Start Num: 8

Candidate Starts for R4_70:

(6, 45189), (Start: 8 @45075 has 10 MA's), (10, 45051), (13, 45006), (14, 44976), (16, 44955), (17, 44952), (18, 44946), (22, 44907), (23, 44868), (25, 44670),

Gene: Superstar_73 Start: 44533, Stop: 44114, Start Num: 8

Candidate Starts for Superstar_73:

(4, 44878), (5, 44635), (Start: 8 @44533 has 10 MA's), (9, 44524), (10, 44512), (15, 44434), (24, 44209), (25, 44122),

Gene: Tefunt_66 Start: 44264, Stop: 43851, Start Num: 8

Candidate Starts for Tefunt_66:

(Start: 8 @44264 has 10 MA's), (Start: 11 @44234 has 1 MA's), (14, 44171), (25, 43859),